Demonstrating the Calculation of the Standard Deviation for a Sample

Demonstrate using the formula: 

$$ s = \sqrt{ \frac{\sum (x - \bar{x})^2}{n-1}} $$

Given the follow in data set:  

$$ x: 1, 3, 4, 6, 11 $$

**Step 1**  
enter the data into L1

**Step 2**  
calculate $$ \bar{x} $$

**Step 3**  
put cursor on L2

**Step 3 continued**  
enter L1 - $$ \bar{x} $$

**Step 4**  
press [Enter]

**Step 4 continued**  
quit Edit to Main Screen
2nd [LIST] >> MATH

**Step 5**  
plug numbers into formula & show

$$ s = \sqrt{\frac{58}{4}} \approx 3.8 $$